



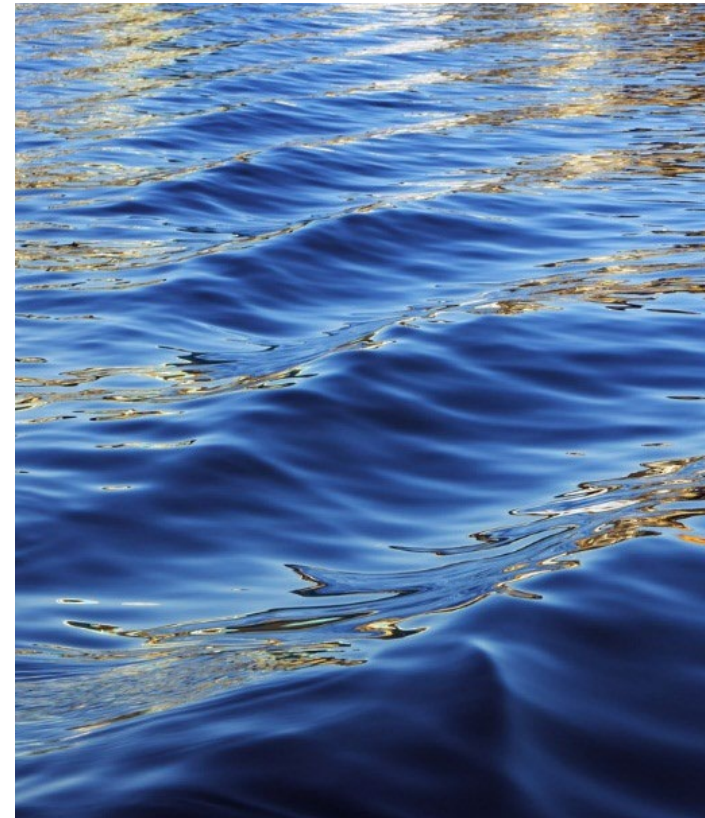
Duckett Creek
Sanitary District

The Clean Water Professionals



SIA INVESTMENT IN
IMPROVEMENT INFRASTRUCTURE
ASSOCIATION EXPO

February 19, 2025

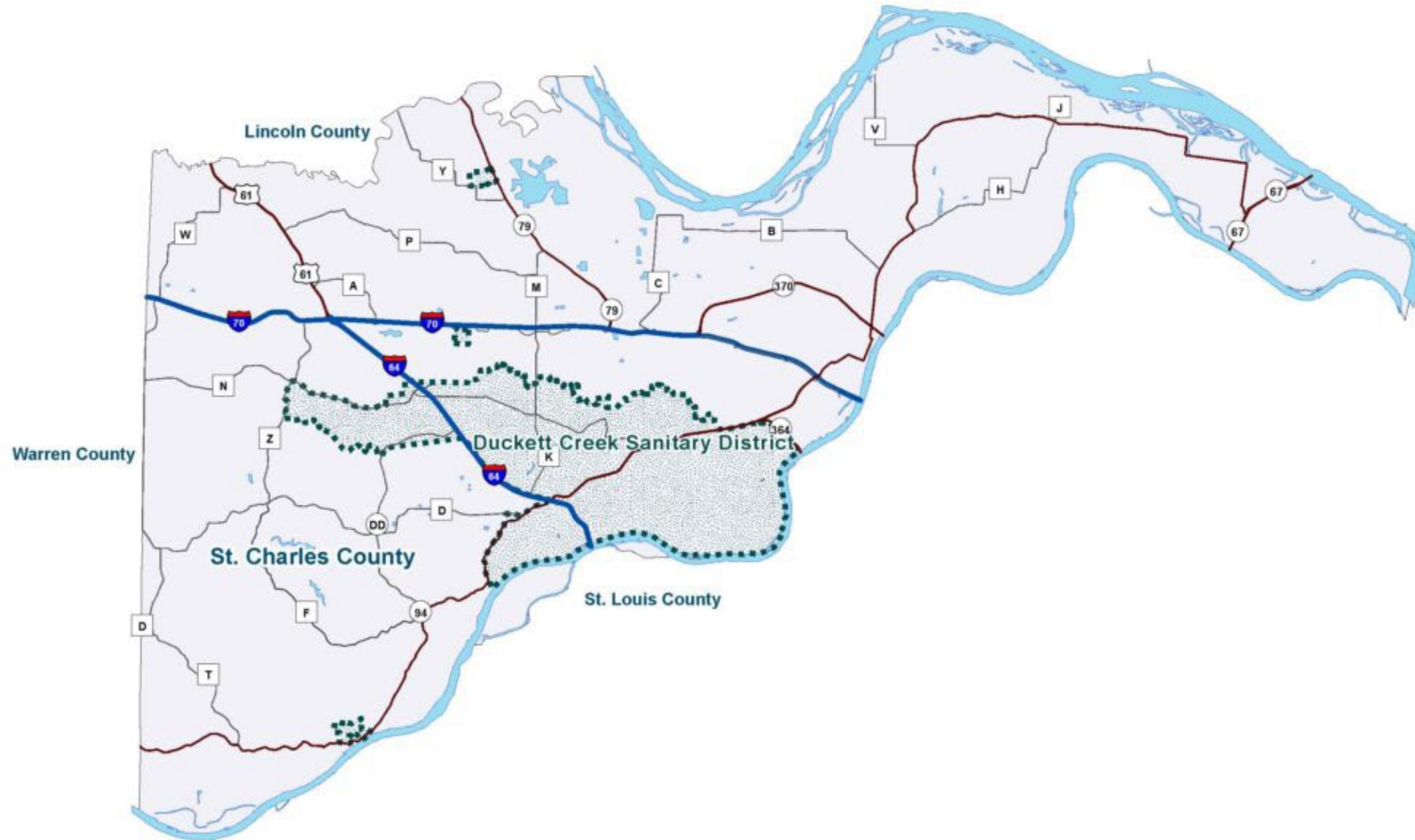


DUCKETT CREEK SANITARY DISTRICT

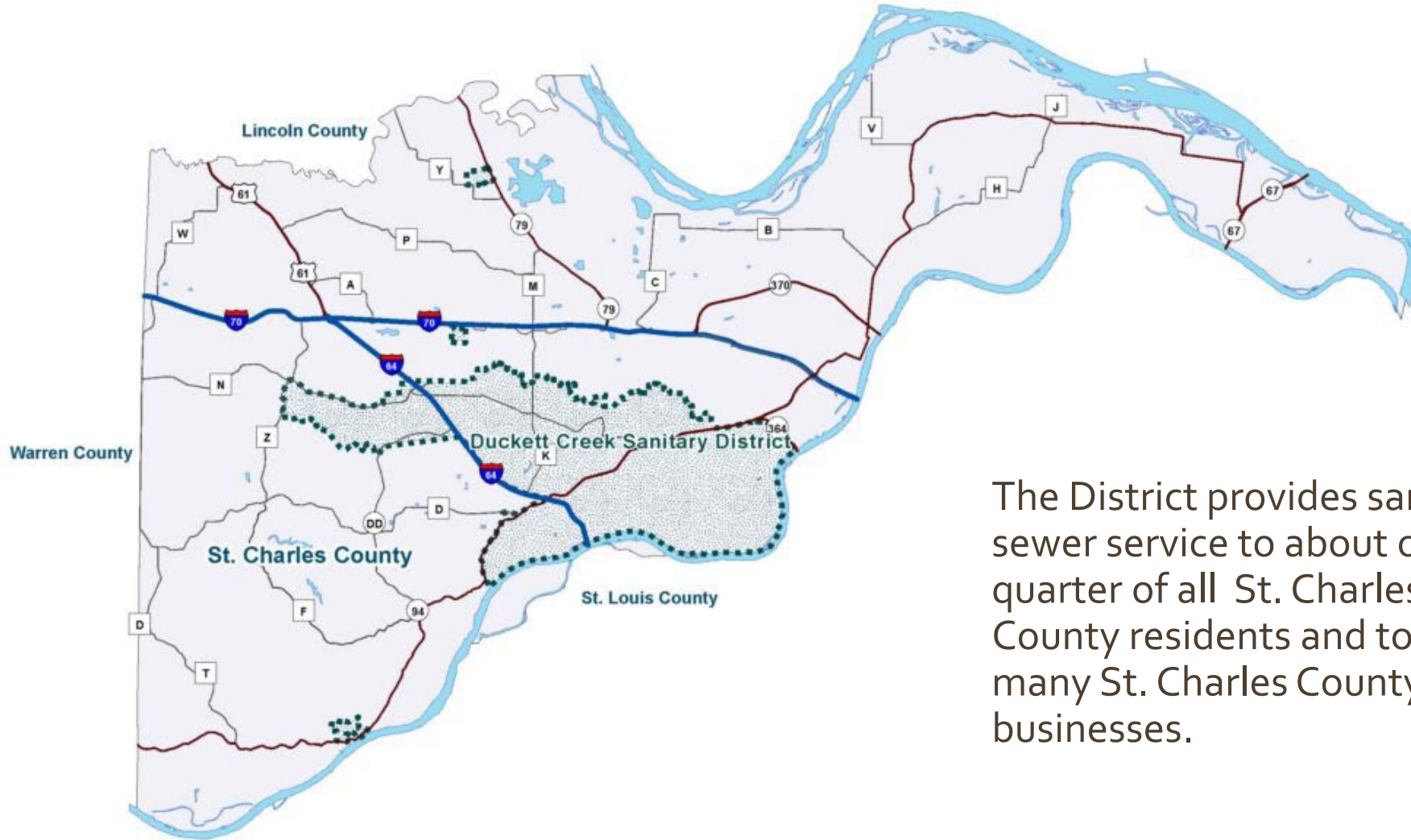
- Duckett Creek Sanitary District has taken on the mission of providing the highest quality sanitary sewer service in the most efficient manner while protecting and preserving the environment and quality of life - while **always promoting economic development in St. Charles County.**
- The Duckett Creek Sewer District was formed in 1972 under Missouri statutes section 249. The District operates under its own Board of Trustees as a **political unit of the State of Missouri.**
- The District operates **six treatment plants and several dozen pumping stations.**



DUCKETT CREEK SANITARY DISTRICT MAP



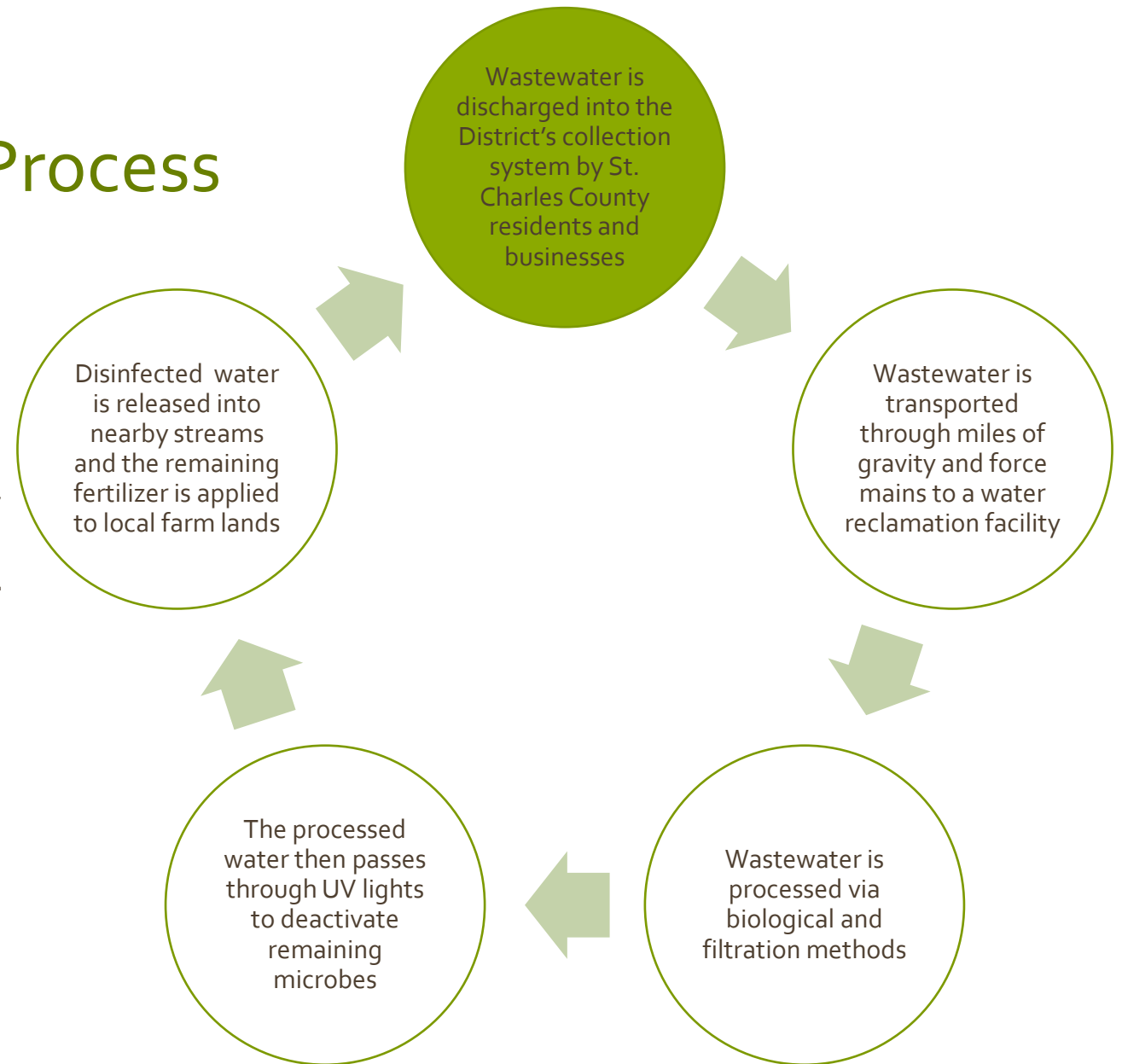
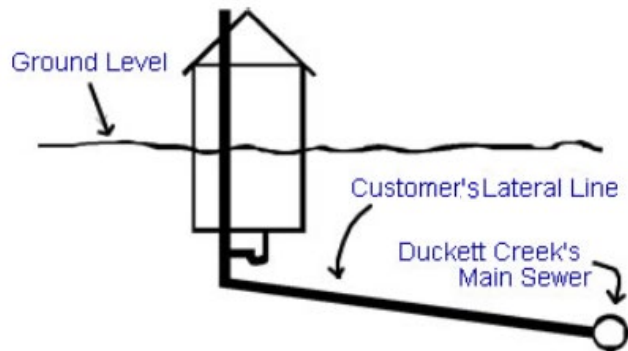
DUCKETT CREEK SANITARY DISTRICT MAP



The District provides sanitary sewer service to about one quarter of all St. Charles County residents and to many St. Charles County businesses.

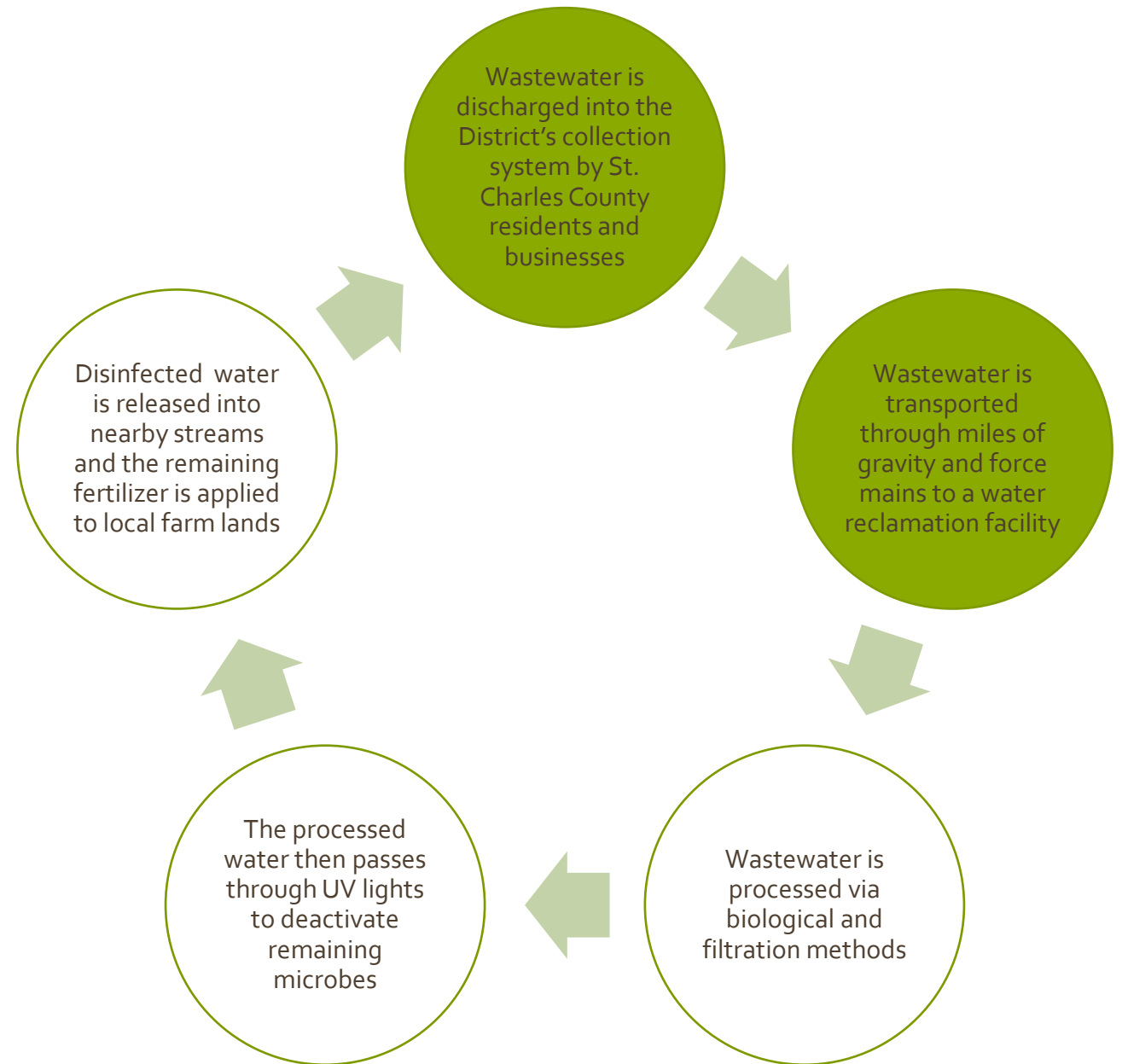
The Water Reclamation Process

Each day in St. Charles County the average household discharges approximately *270 gallons* of wastewater into the District's sanitary sewer system through washing dishes, taking showers, flushing toilets, using the washing machine, and many other household activities.



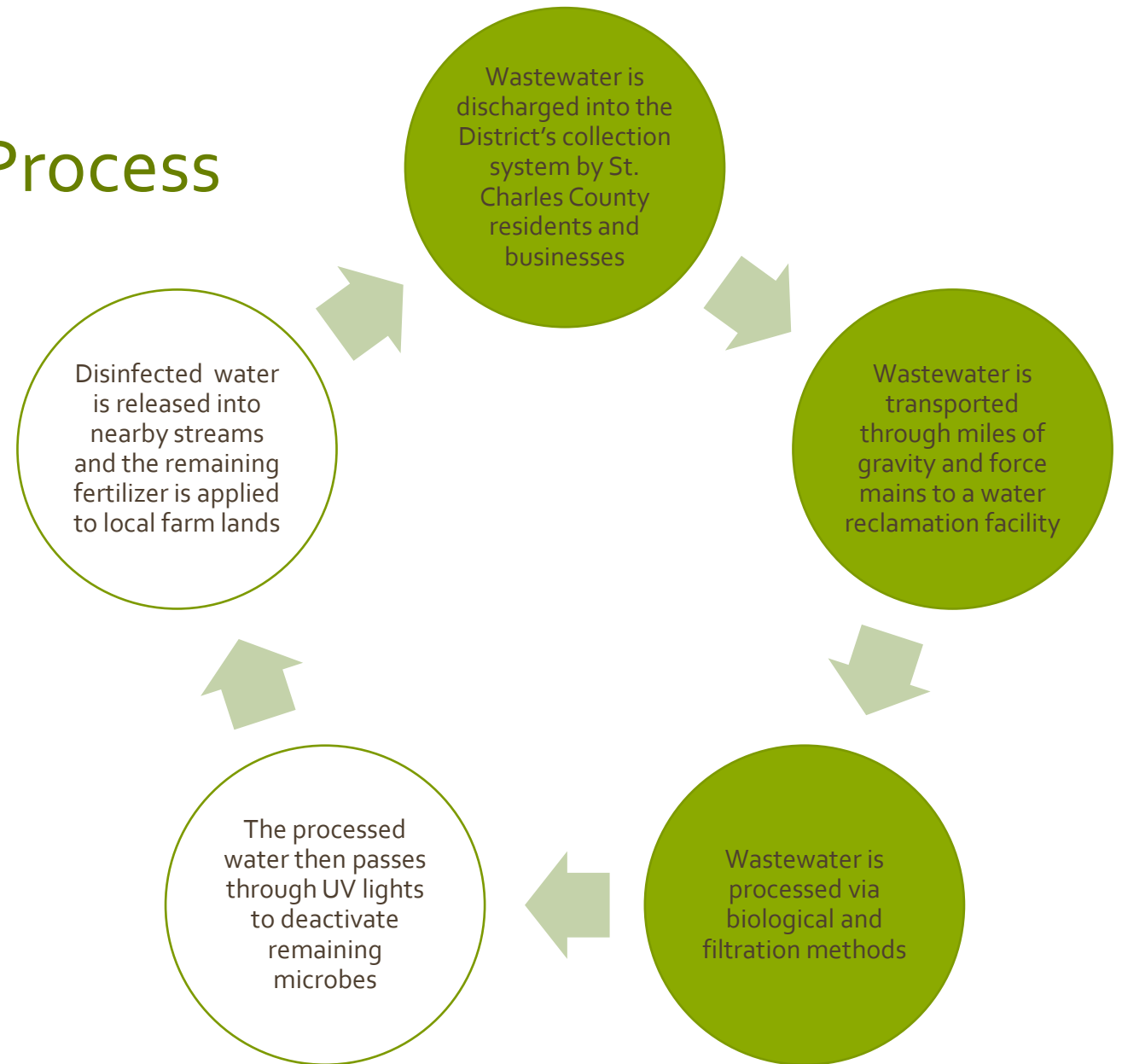
The Water Reclamation

The District uses near 3.5 million feet of sanitary sewer mains and dozens of pumping stations to transport waste water to one of six water reclamation plants



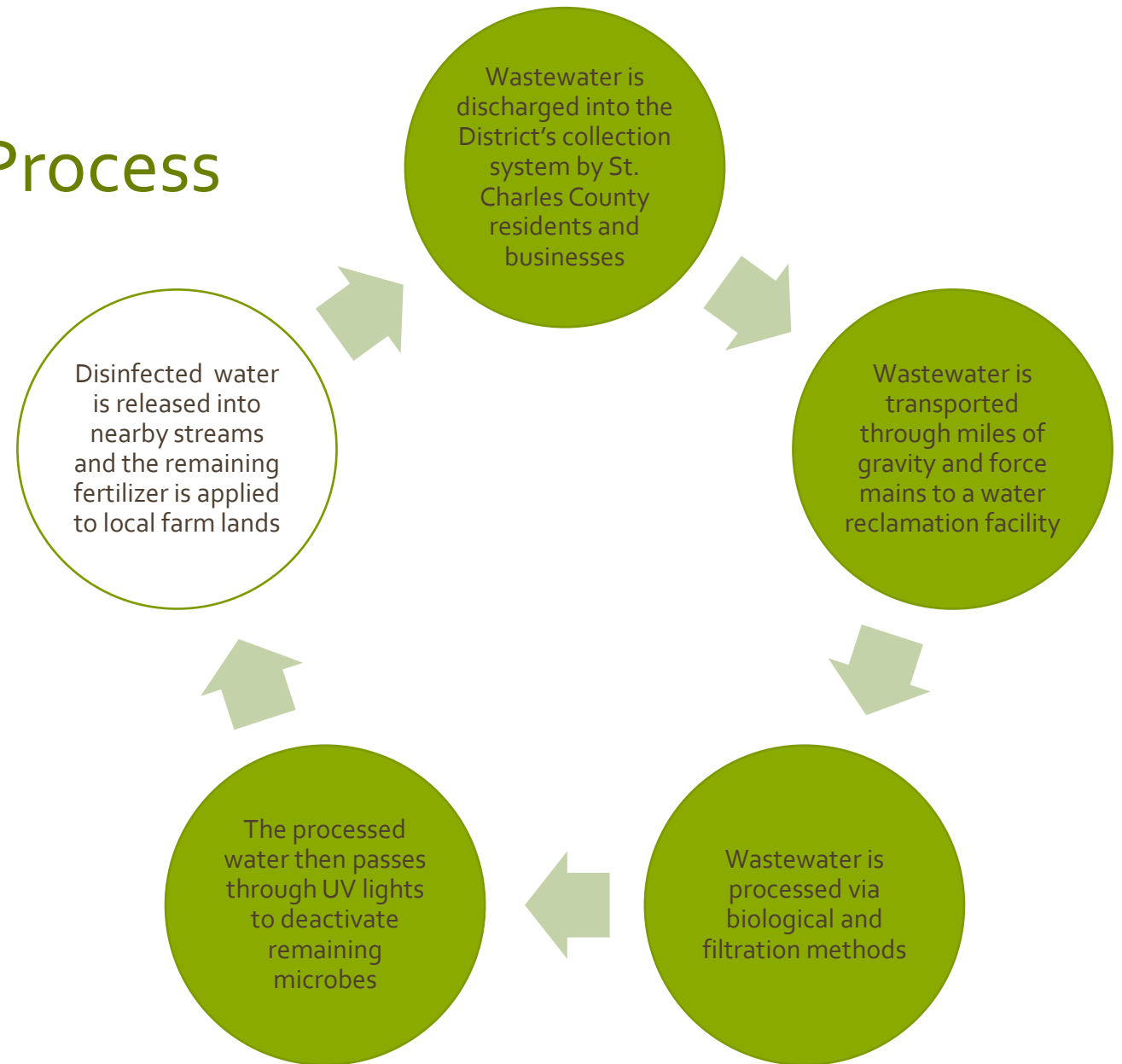
The Water Reclamation Process

Wastewater is treated through biological or filtration methods (not chemical)



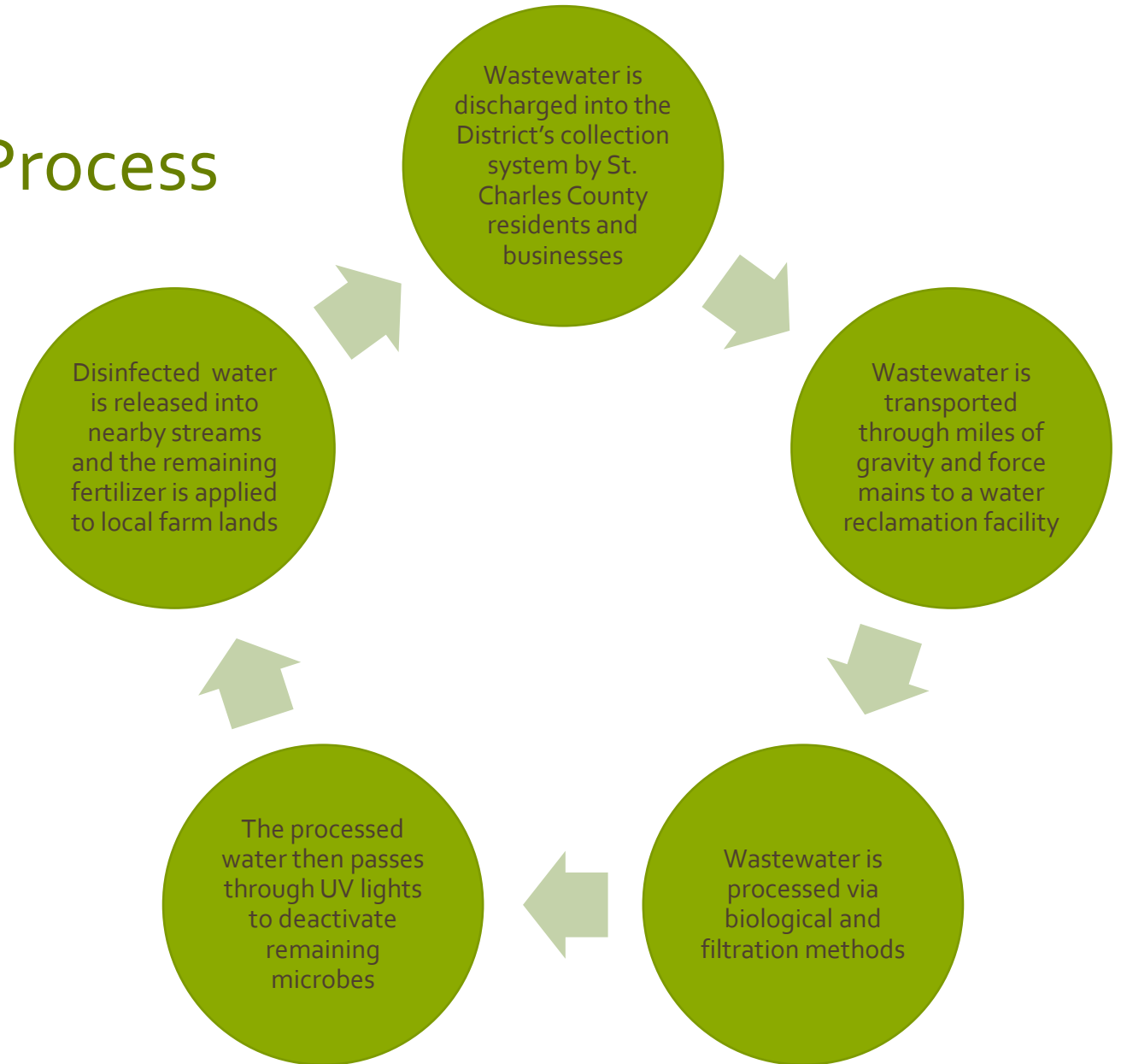
The Water Reclamation Process

Treated water is passed through UV lights before being released to tributaries of the Missouri and Mississippi Rivers.



The Water Reclamation Process

The remaining fertilizer is applied to area farmlands.



District Membrane Bioreactor Water Reclamation Treatment Plants



Wyndgate MBR - Plant off of Highway N - west of Highway 40. It is enclosed in a modern-looking house that blends in with other homes in the area.

District Membrane Bioreactor Water Reclamation Treatment Plants

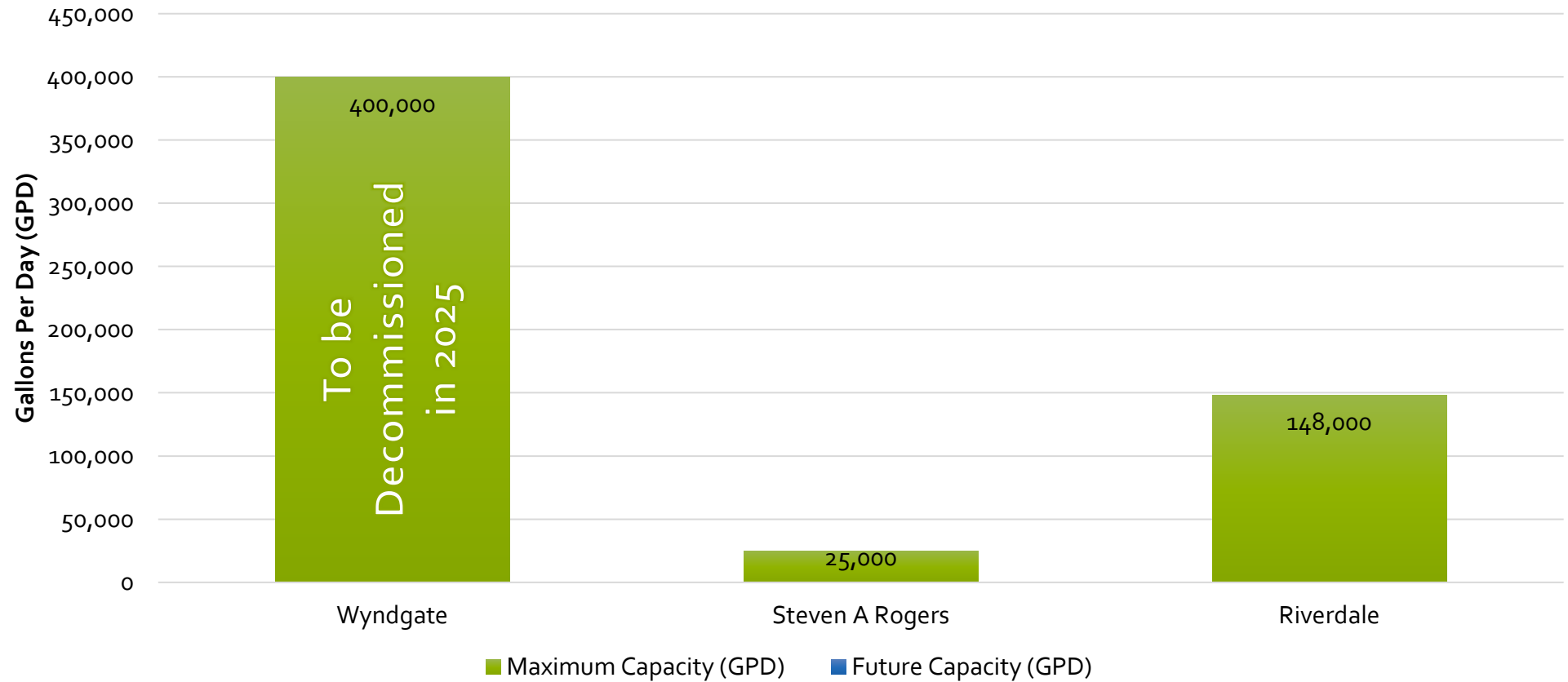


District Membrane Bioreactor Water Reclamation Treatment Plants



Steven A. Rogers MBR – Plant off Highway D near Francis Howell High School

District Membrane Bioreactor Water Reclamation Treatment Plants



District Conventional Extended Aeration Water Reclamation Treatment Plants



Treatment Plant #1 on Green's Bottom Road at the end of Jung's Station Road.

District Conventional Extended Aeration Water Reclamation Treatment Plants



Treatment Plant #1 on Green's Bottom Road at the end of Jung's Station Road.



Treatment Plant #2 in the Missouri Research Park near the intersection of Highway 94 & Highway 40/61.

District Conventional Extended Aeration Water Reclamation Treatment Plants



Treatment Plant #1 on Green's Bottom Road at the end of Jung's Station Road.

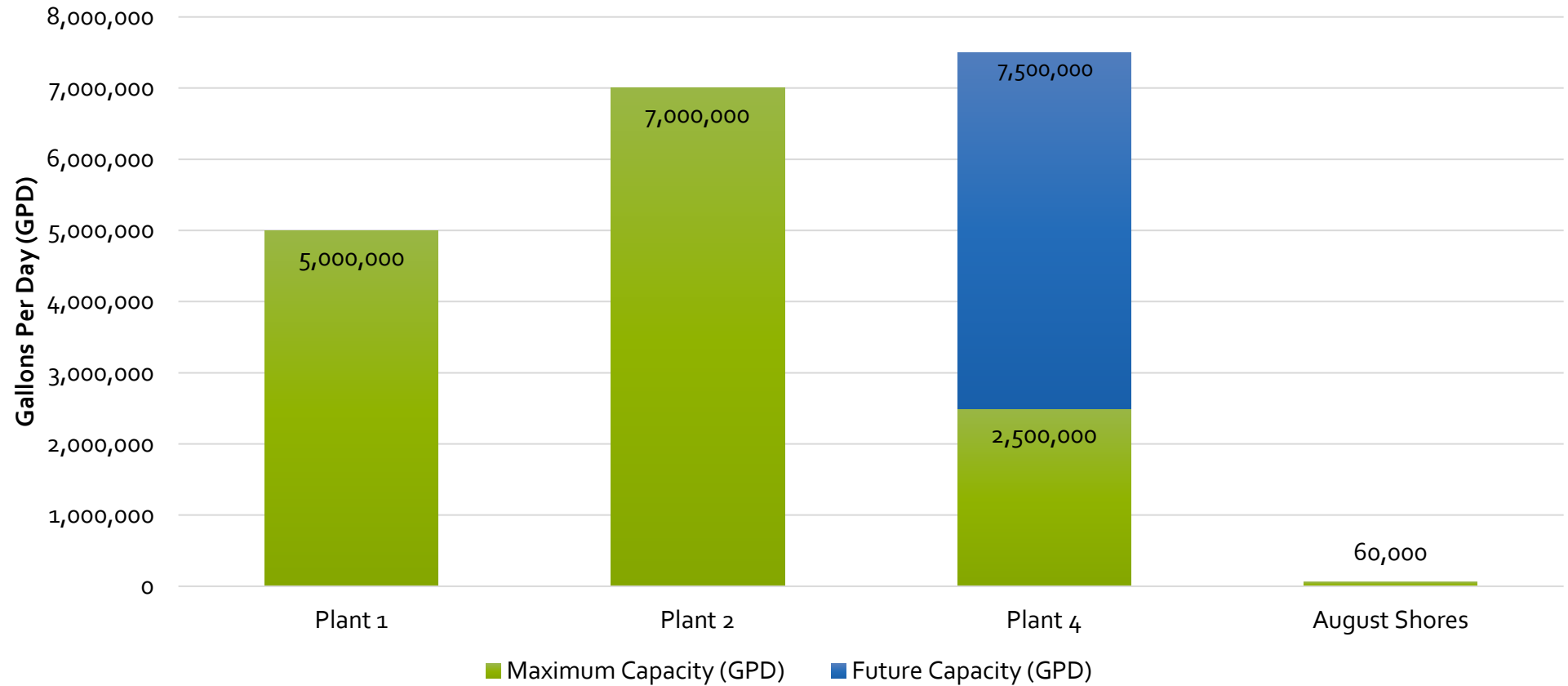


Treatment Plant #2 in the Missouri Research Park near the intersection of Highway 94 & Highway 40/61.



New \$4.7M BNR Treatment Plant #4 in western St. Charles County off of Hopewell Road (currently under construction with final completion in 2025)

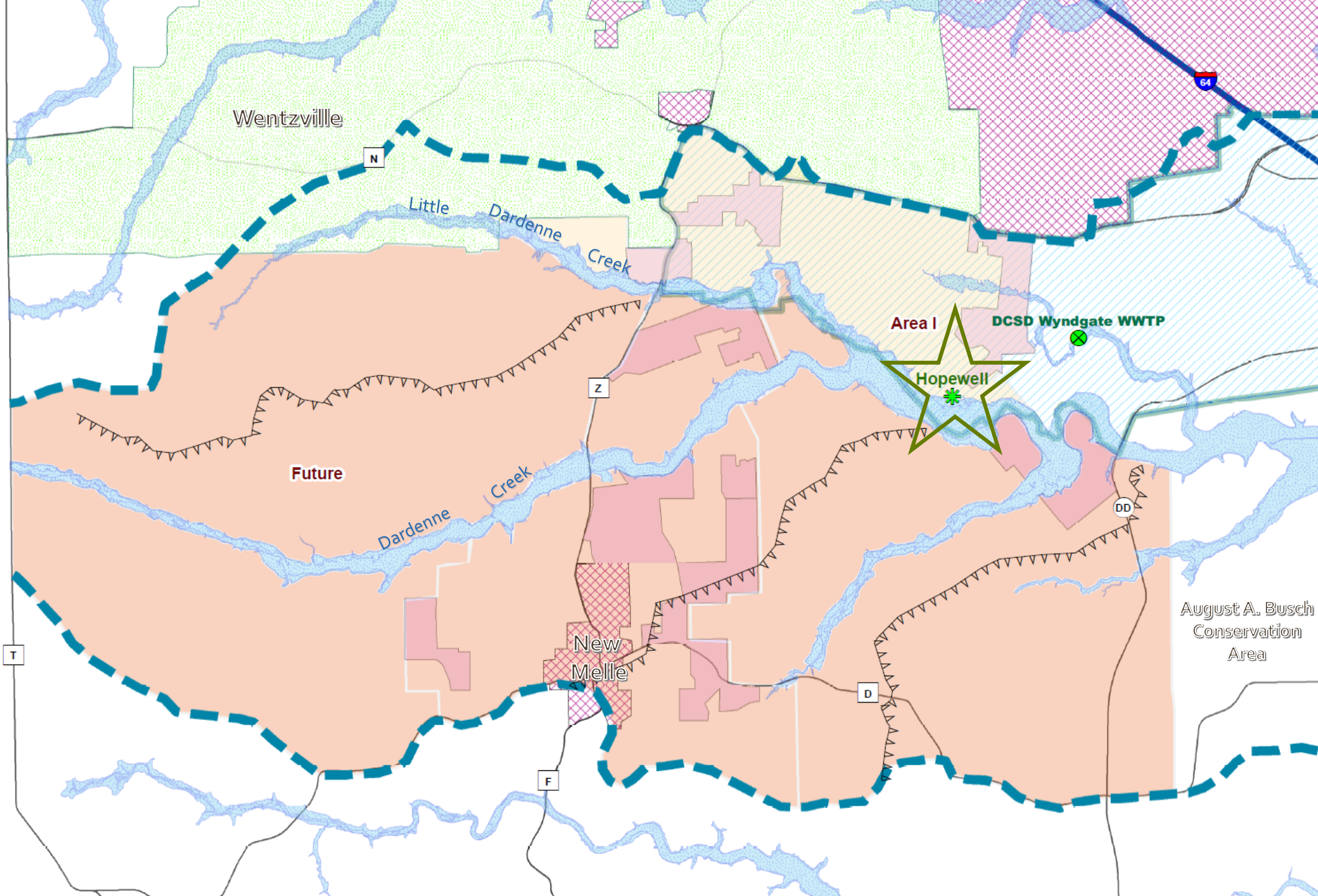
Conventional Extended Aeration Water Reclamation Treatment Plants



Duckett Creek Sanitary District Funding

- No tax dollars are collected or used by Duckett Creek Sanitary District.
- Duckett Creek Sanitary District is funded completely through connection and service fees from customers.

FY 2025 Capital, Operations, and Large Maintenance Budget	
Treatment Plant Maintenance	\$782,000
Treatment Plant Improvements	\$742,000
Lift Station Maintenance	\$170,000
Lift Station Improvements	\$5,363,747
Contracted Collection System Maintenance (Digs)	\$520,000
Contracted Collection System Cure-In-Place-Pipe (CIPP)	\$546,607
Truck and Heavy Equipment	\$507,000
Biosolids Pads Improvements	\$200,000
Treatment Plant No. 4	\$8,308,300
	\$17,139,654



Legend

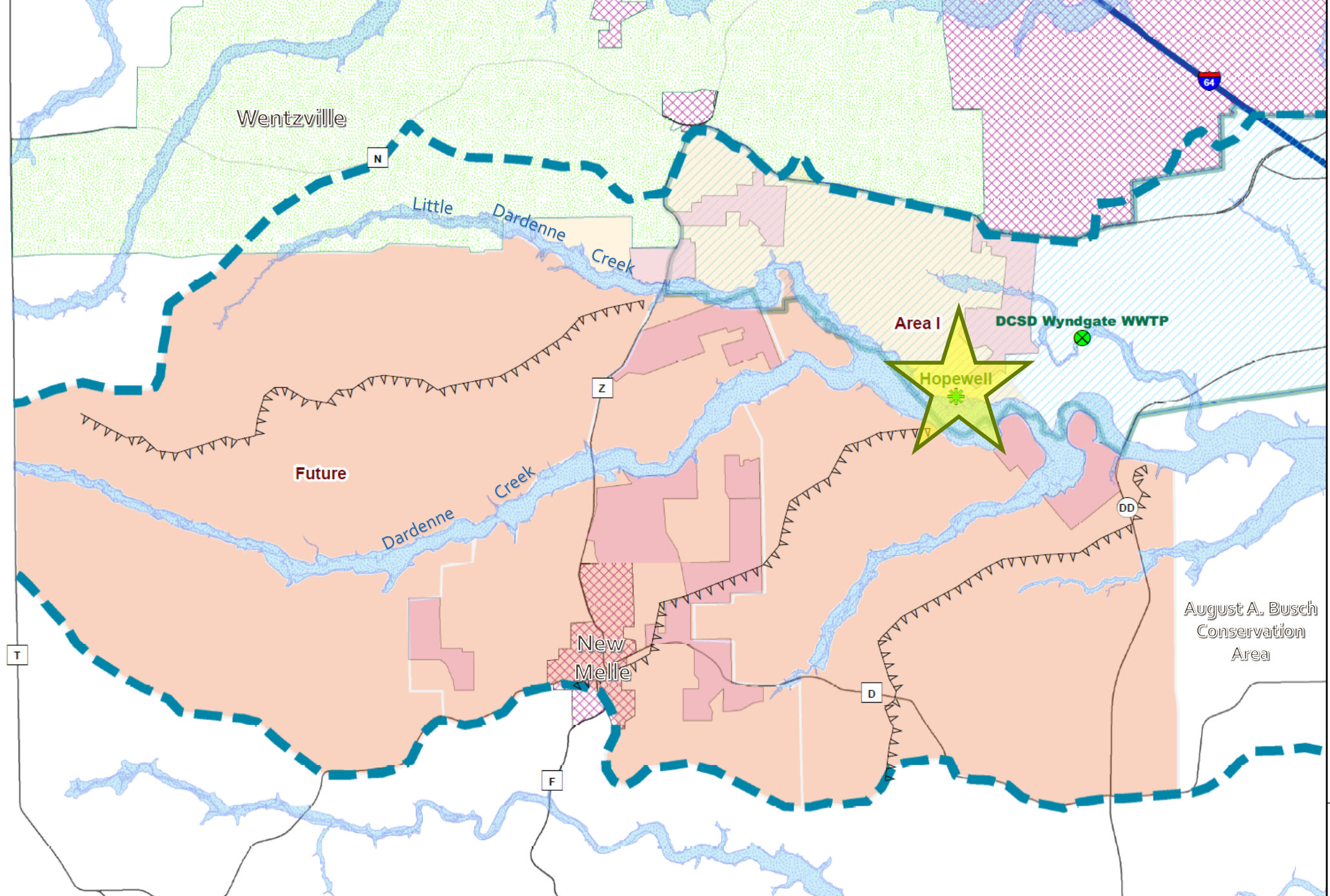
Proposed Treatment Plant	Hopewell
Treatment Plant	DCSD Wyndgate WWTP
Facility_Study_ridgelines	
Dardenne Watersheds	
Flood Plain	
Expansion Areas	
Area I - 2300 Acres	
Future - 18,200 Acres	
3-5_Acres	
Sewer District - Current	
DCSD	
O'Fallon	
PWSD2	
Wentzville	

Treatment Plant #4
Planning Area



Legend

Proposed Treatment Plant	Hopewell
Treatment Plant	DCSD Wyndgate WWTP
Facility_Study_ridgelines	
Dardenne Watersheds	
Flood Plain	
Expansion Areas	
Area I - 2300 Acres	
Future - 18,200 Acres	
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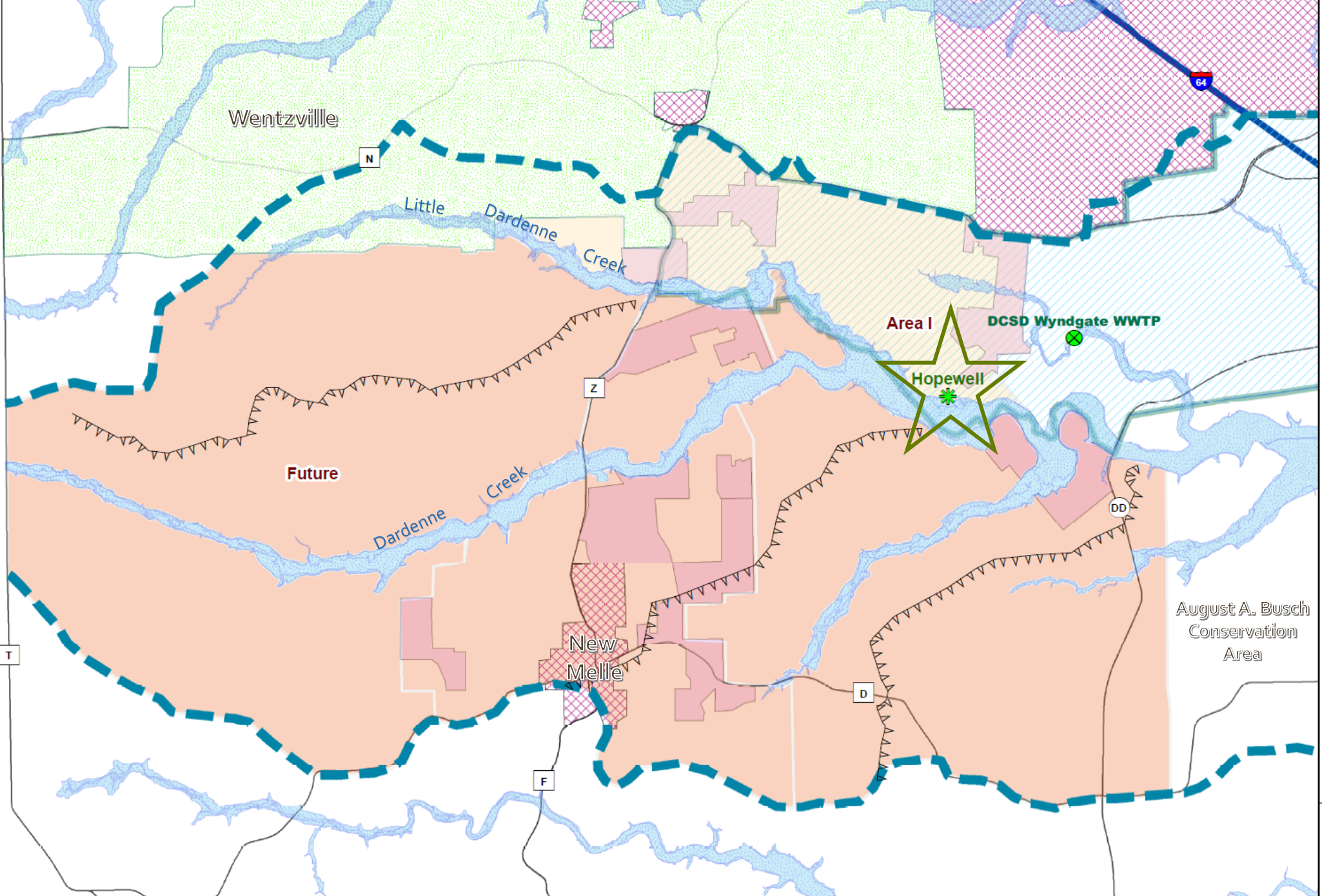


**Treatment Plant #4
Planning Area**



Legend

Proposed Treatment Plant		Hopewell
Treatment Plant		DCSD Wyndgate WWTP
		Facility_Study_ridgelines
		Dardenne Watersheds
		Flood Plain
Expansion Areas		
		Area I - 2300 Acres
		Future - 18,200 Acres
		3-5_Acres
Sewer District - Current		
		DCSD
		O'Fallon
		PWSD2
		Wentzville

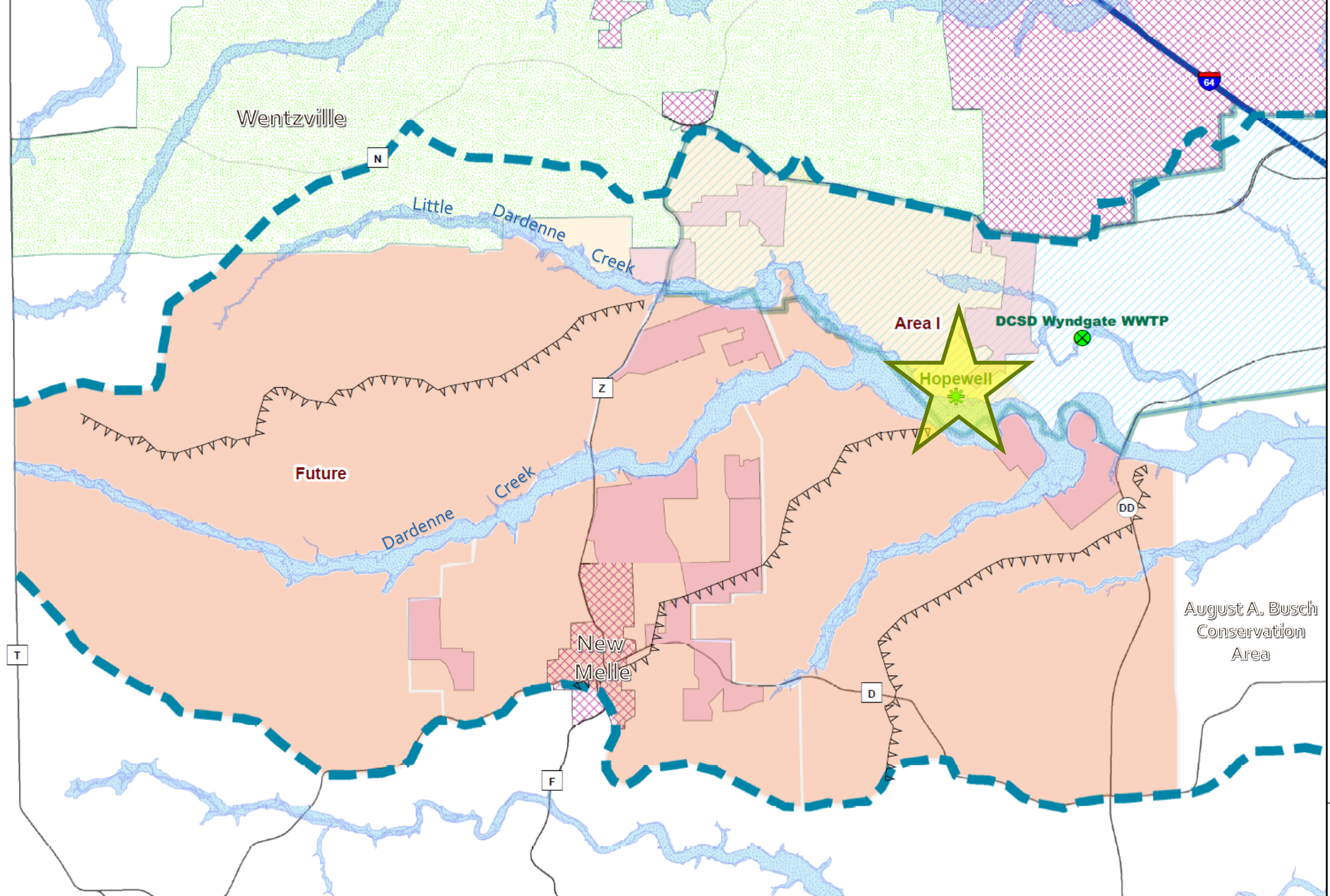


**Treatment Plant #4
Planning Area**



Legend

Proposed Treatment Plant	
	Hopewell
Treatment Plant	
	DCSD Wyndgate WWTP
	Facility_Study_ridgelines
Dardenne Watersheds	
	Dardenne Watersheds
Flood Plain	
	Flood Plain
Expansion Areas	
	Area I - 2300 Acres
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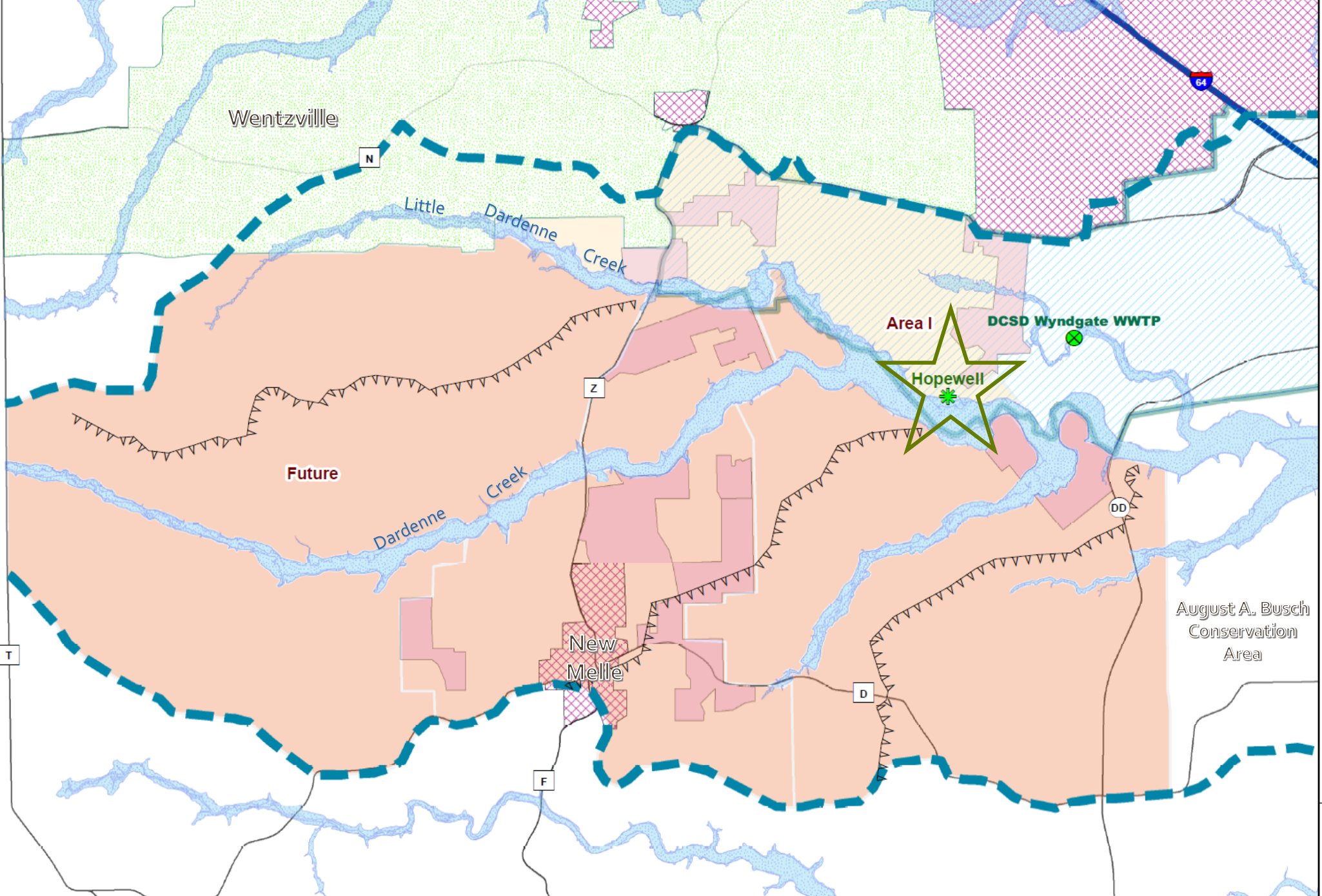


**Treatment Plant #4
Planning Area**



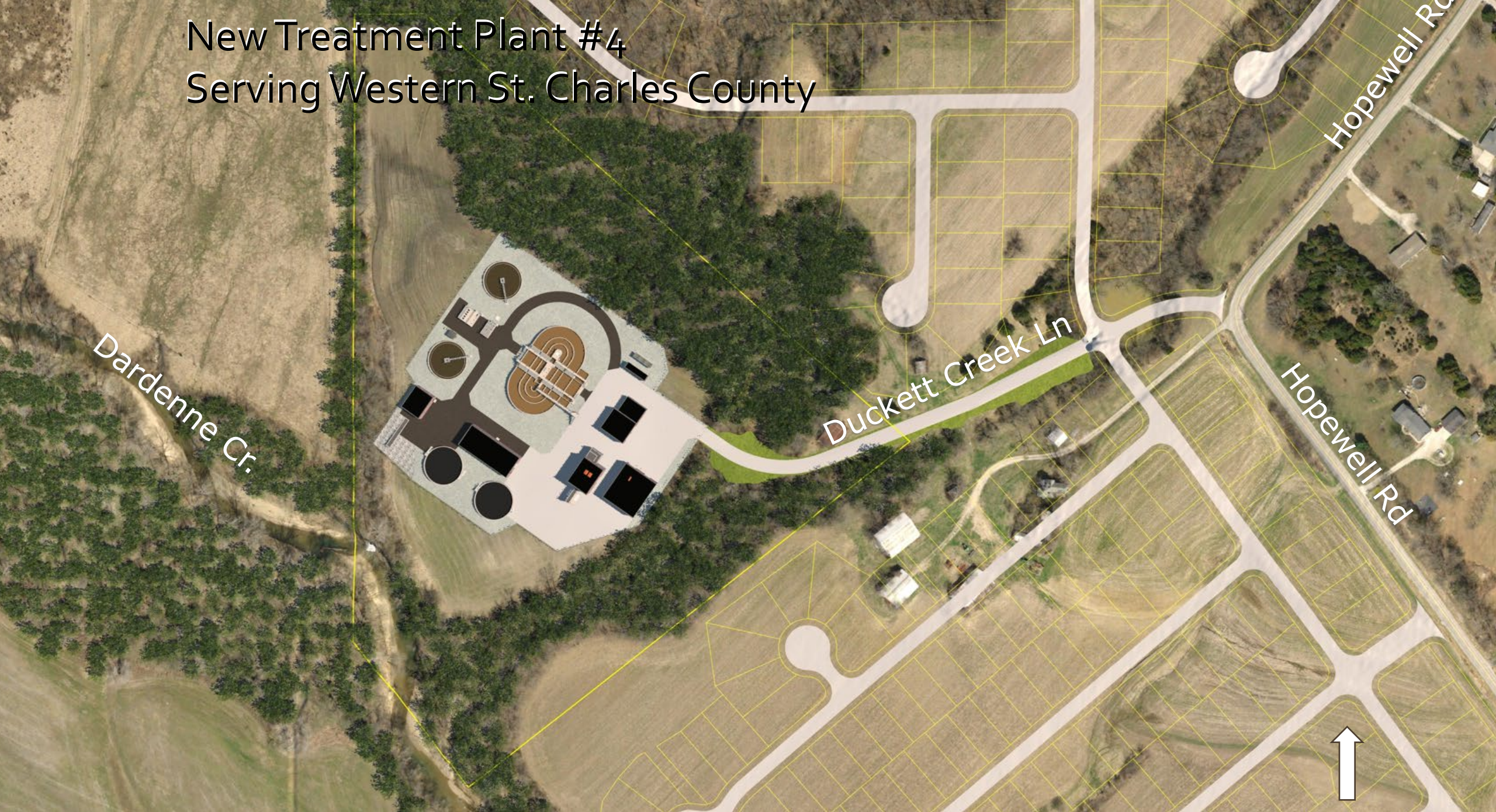
Legend

Proposed Treatment Plant		Hopewell
Treatment Plant		DCSD Wyndgate WWTP
		Facility_Study_ridgelines
		Dardenne Watersheds
		Flood Plain
Expansion Areas		
		Area I - 2300 Acres
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		3-5_Acres
Sewer District - Current		
		DCSD
		O'Fallon
		PWSD2
		Wentzville

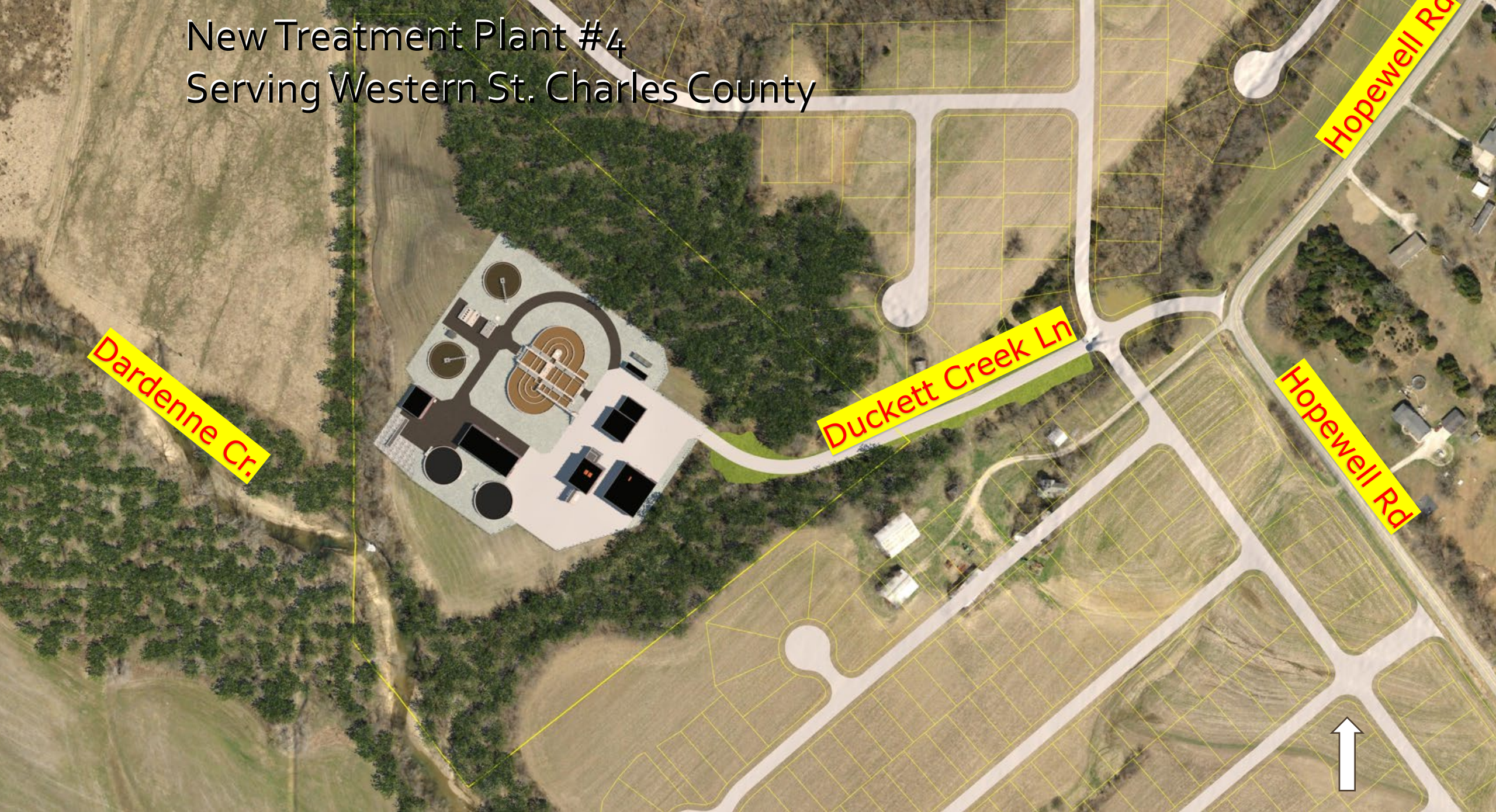


**Treatment Plant #4
Planning Area**

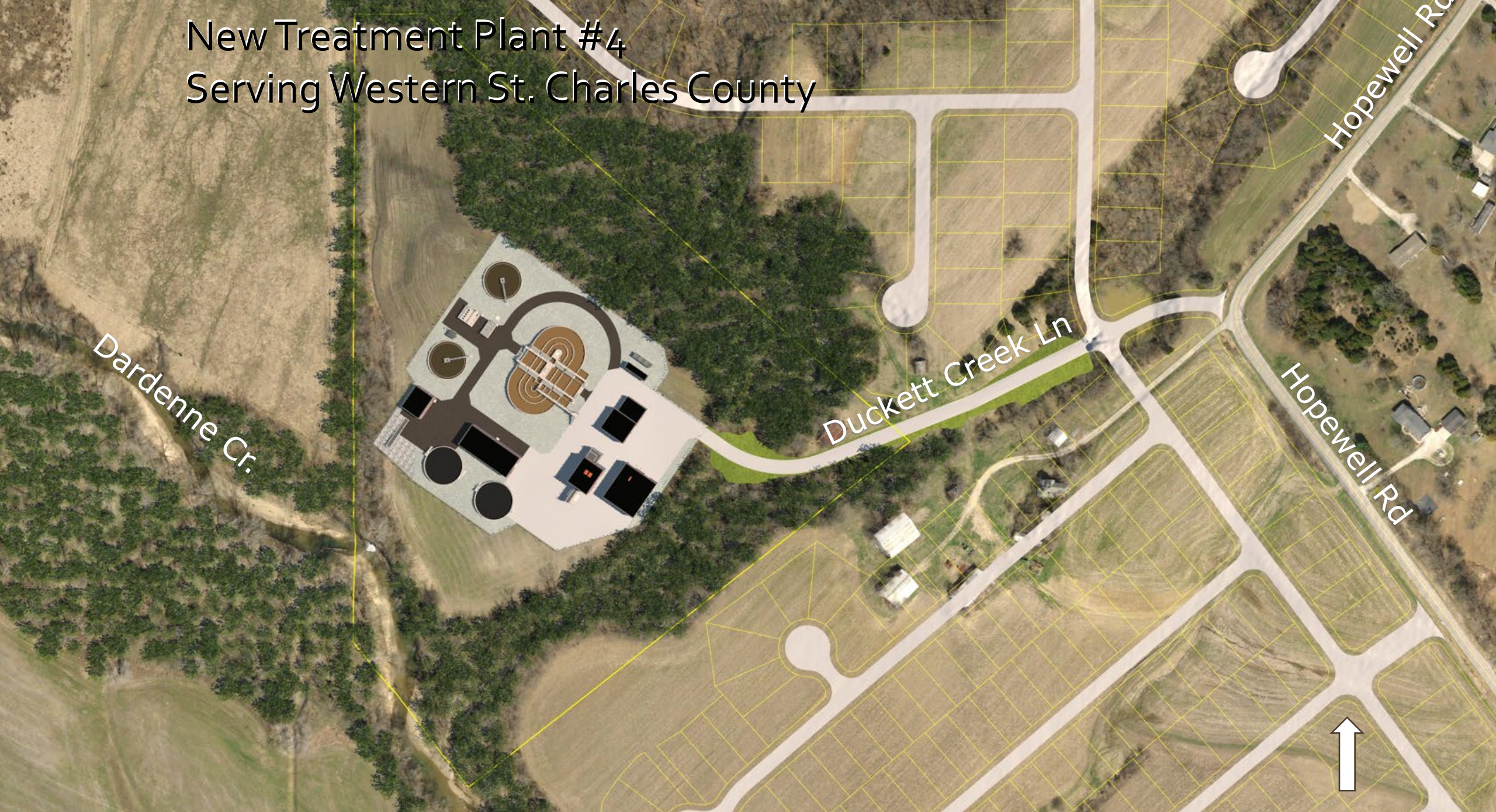
New Treatment Plant #4 Serving Western St. Charles County



New Treatment Plant #4 Serving Western St. Charles County



New Treatment Plant #4 Serving Western St. Charles County



New Treatment Plant #4 Serving Western St. Charles County

Dardenne Cr.

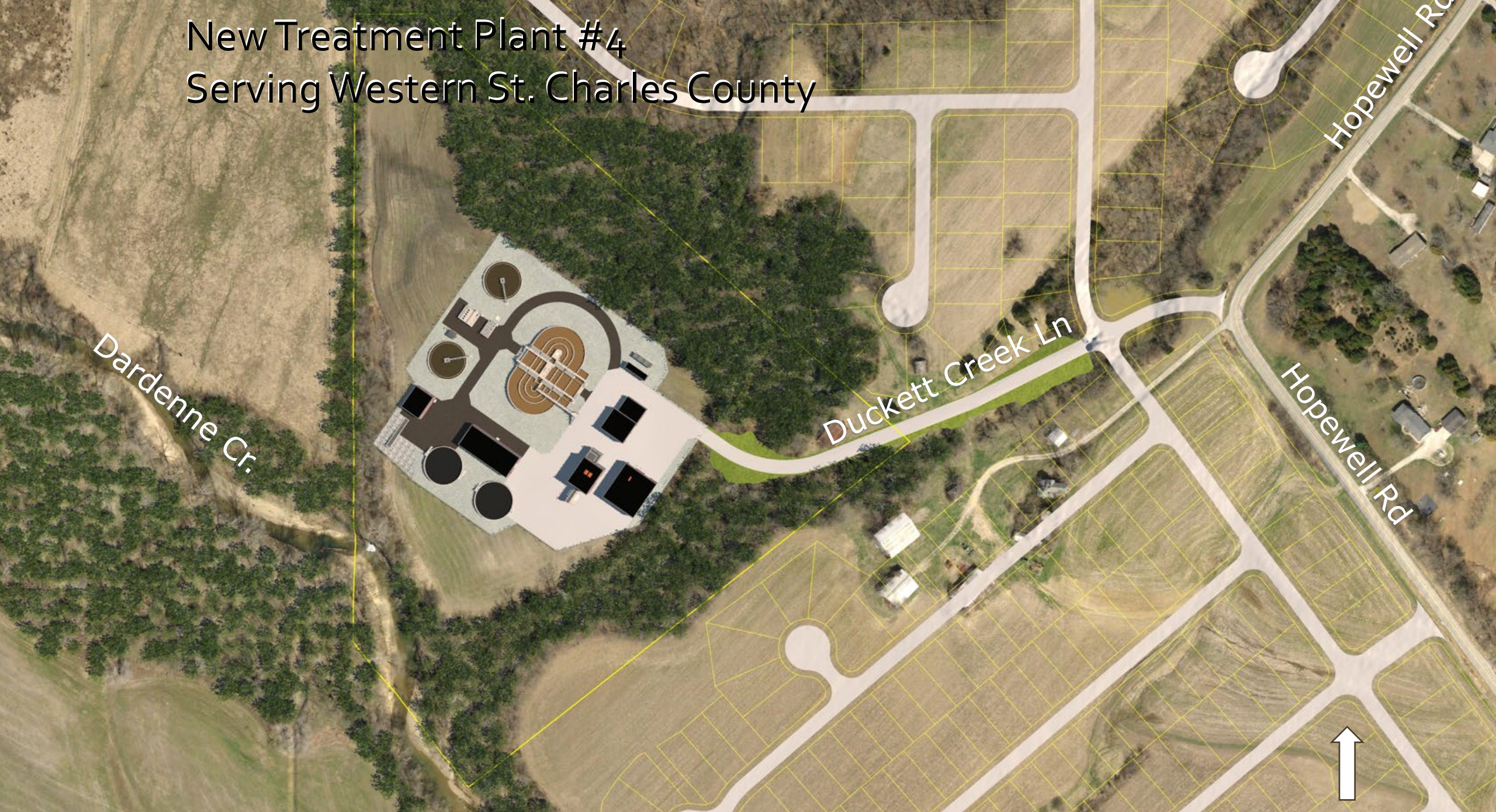


Duckett Creek Ln

Hopewell Rd



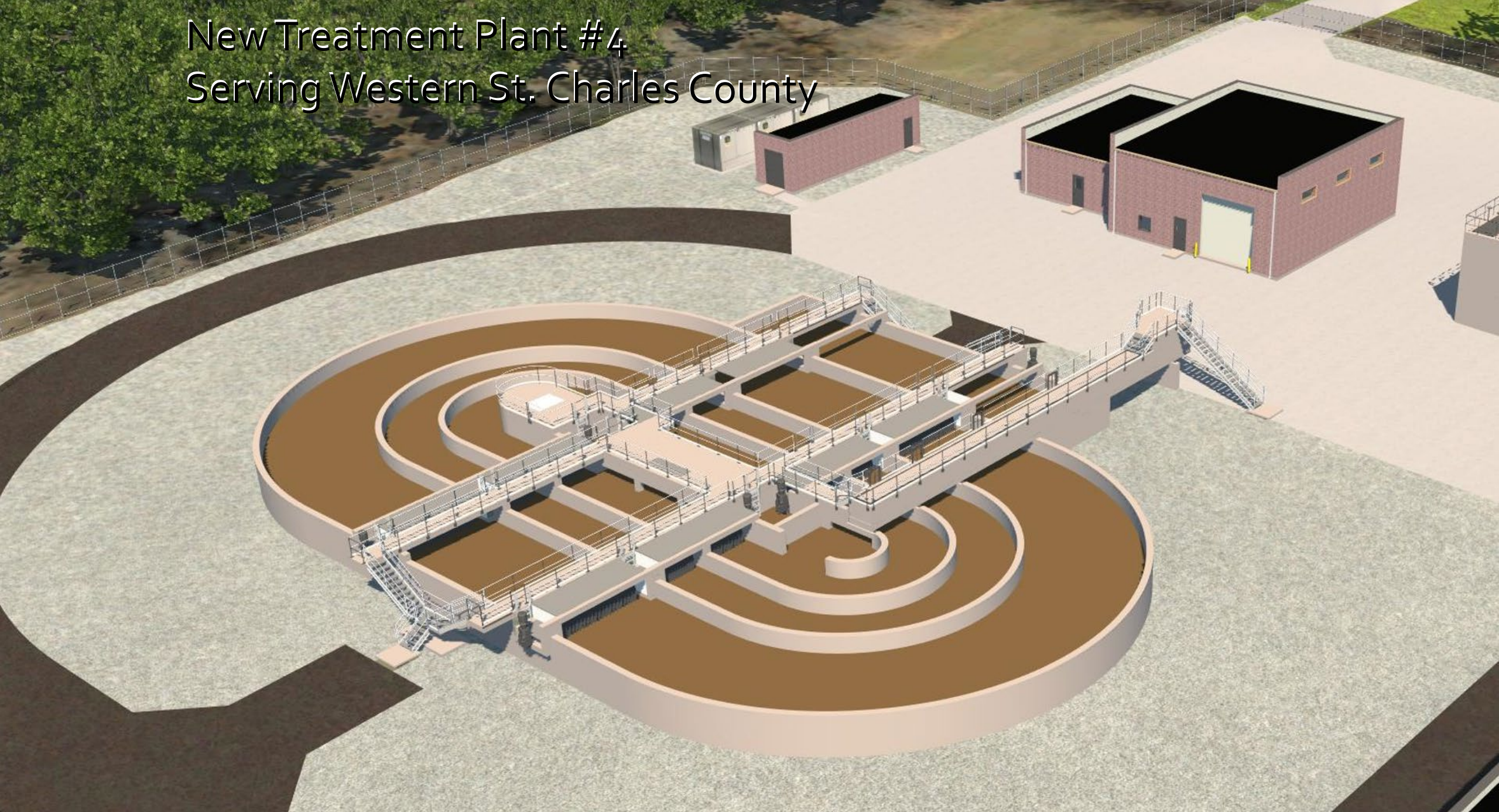
New Treatment Plant #4 Serving Western St. Charles County



New Treatment Plant #4 Serving Western St. Charles County



New Treatment Plant #4 Serving Western St. Charles County



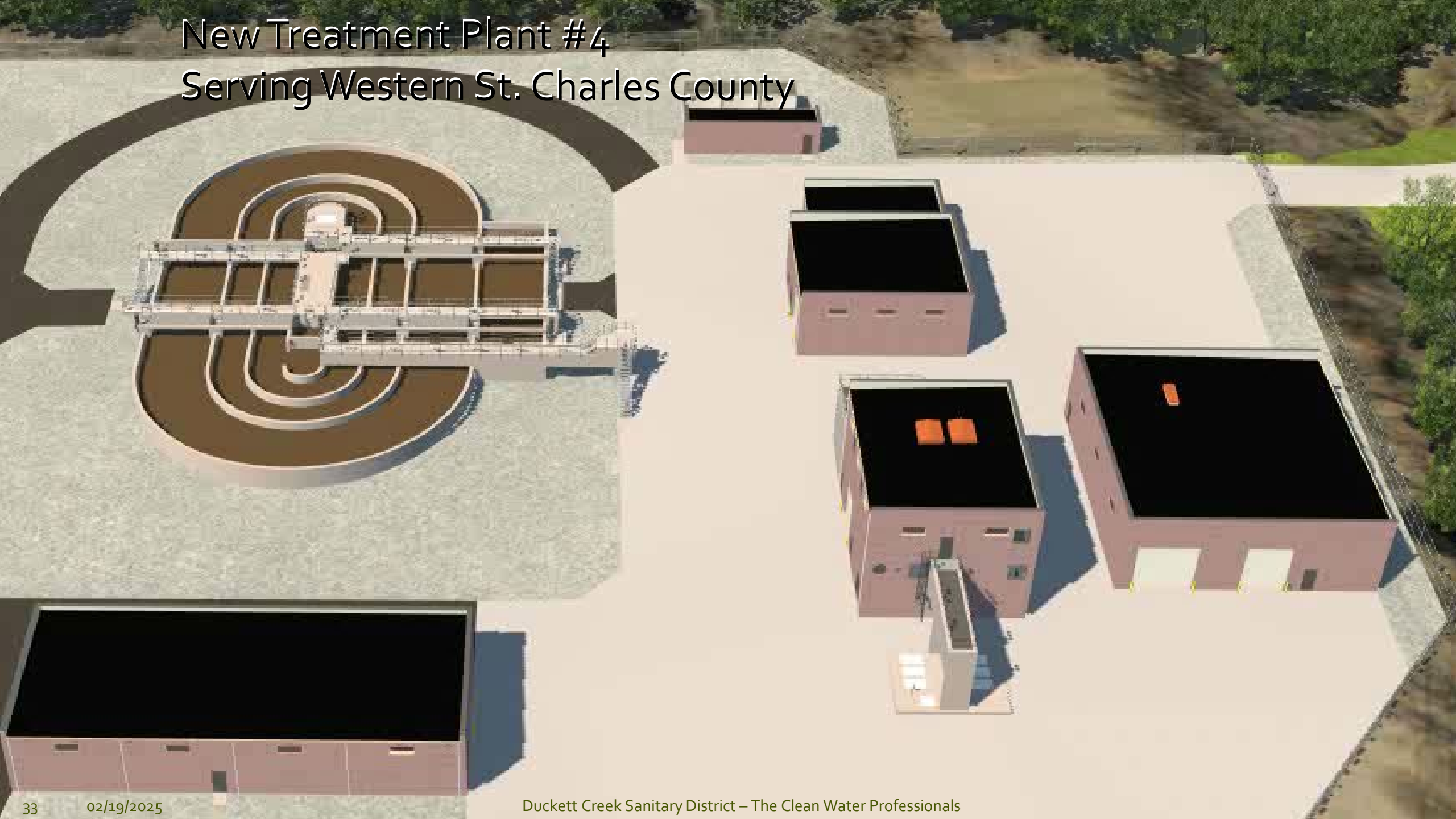
New Treatment Plant #4 Serving Western St. Charles County

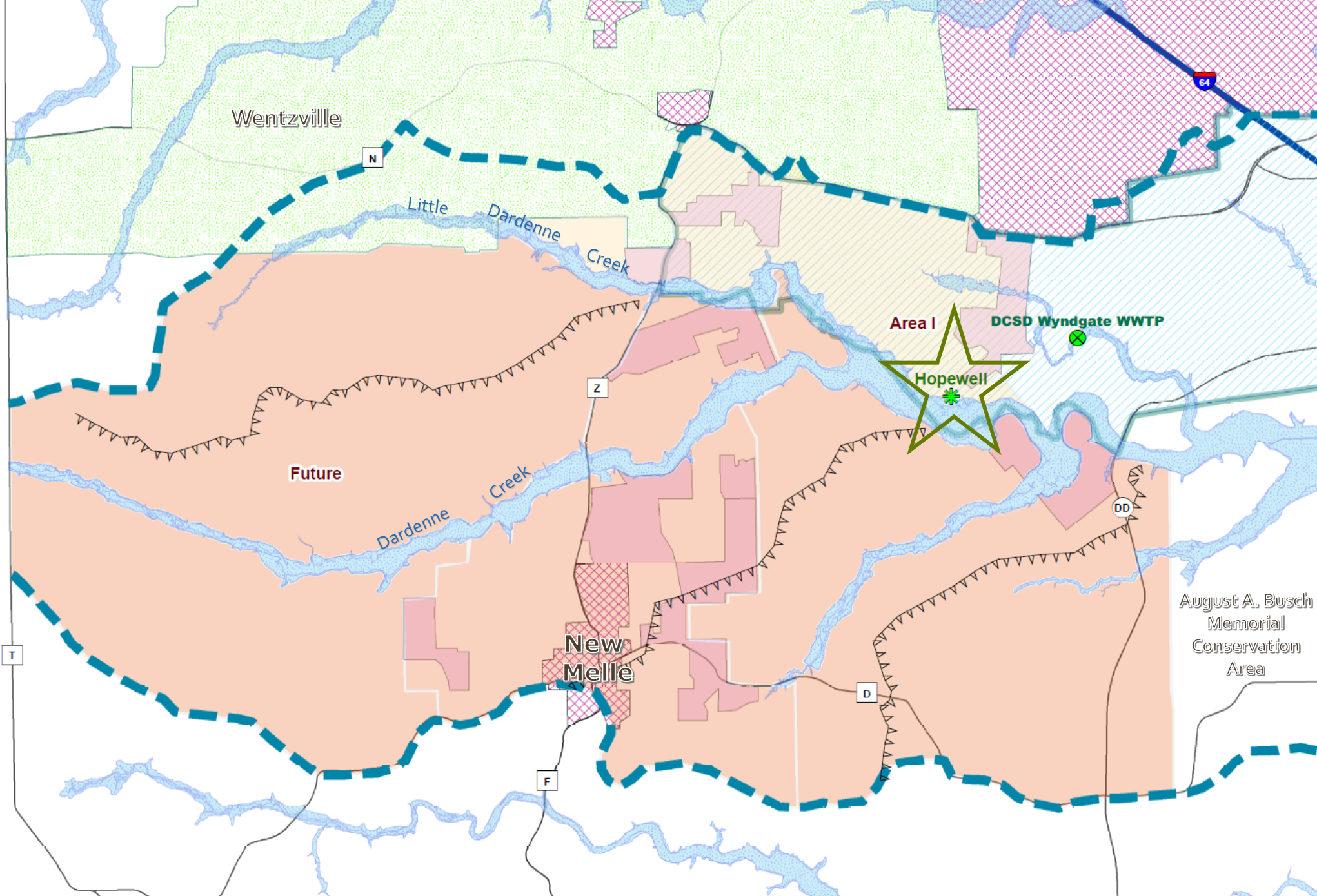


New Treatment Plant #4 Serving Western St. Charles County



New Treatment Plant #4 Serving Western St. Charles County





Legend

Proposed Treatment Plant	Hopewell
Treatment Plant	DCSD Wyndgate WWTP
▲▲▲	Facility_Study_ridgelines
—	Dardenne Watersheds
■	Flood Plain
Expansion Areas	
■	Area I - 2300 Acres
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■	DCSD
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■	Wentzville

Treatment Plant #4
Planning Area



Questions?

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(636) 441-1244

